Supplementary Figure e-1 Principle component analysis of immune cell frequencies and serum analyte concentrations from NMOSD and HC samples

Principle components 1 and 2 were plotted for principle component analysis decomposition based on (A) immunophenotyping frequencies and serum analyte concentrations of (B) Cohort 1, (C) Cohort 2, and (D) both Cohorts 1 and 2 (batch effect corrected). Percentage of variance explained is plotted in parenthesis along each axis and differential coloration signifies participant status. In order to examine batch effect, principle component analysis decomposition was also performed for (E) immunophenotyping frequencies and serum analyte concentrations for (F) Cohort 1, (G) Cohort 2, (H) both cohorts (batch effect corrected) and colored based on institution providing the sample (Yale, GJCF = Guthy-Jackson Charitable Foundation). Cohort-based batch effect was also evaluated; principle component analysis of serum analyte concentration for both cohorts, colored based on cohort, are shown (I) with and (J) without batch effect correction. (NMOSD = neuromyelitis optica spectrum disorder, HC = healthy control, PC = principle component)